

FIG. 1

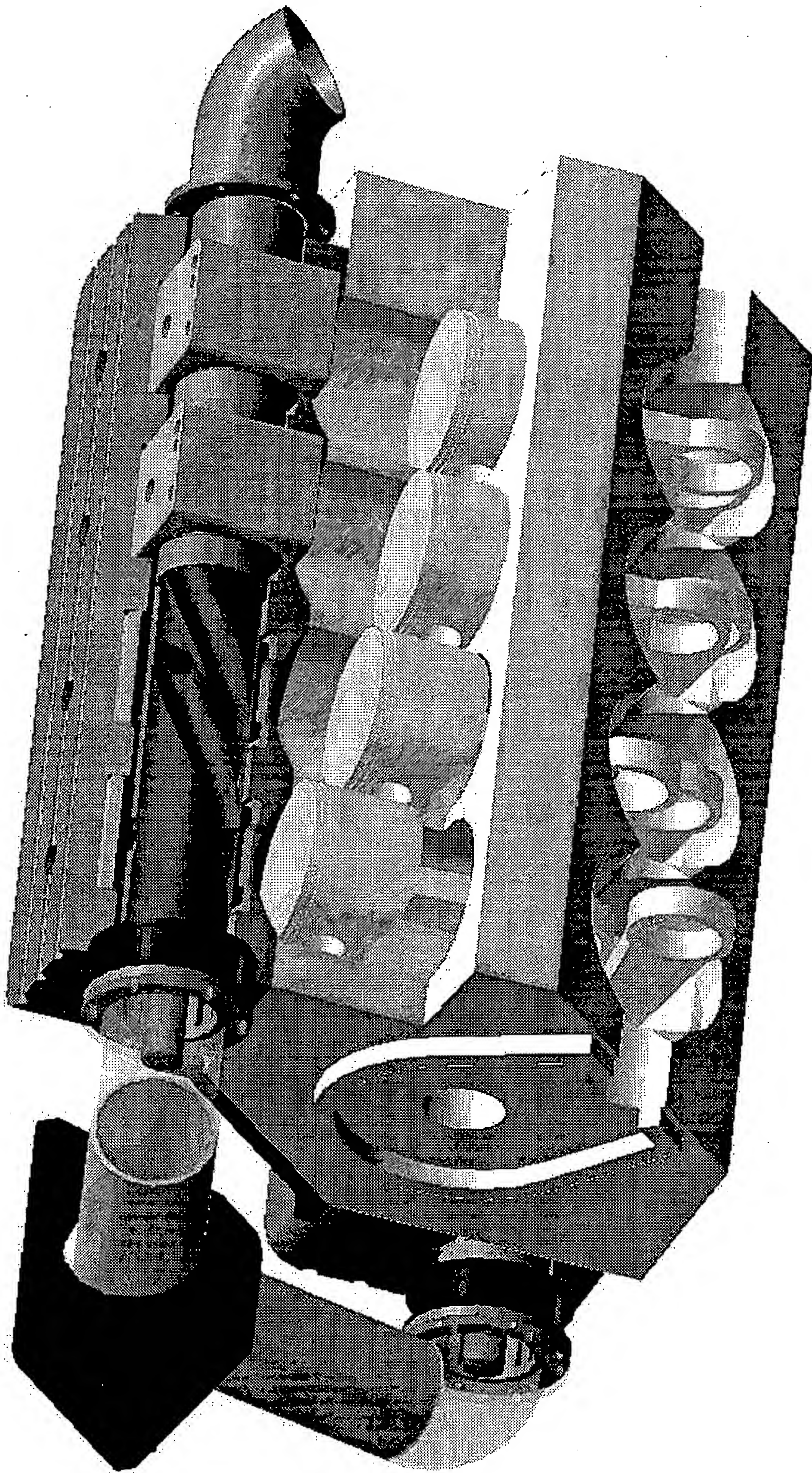
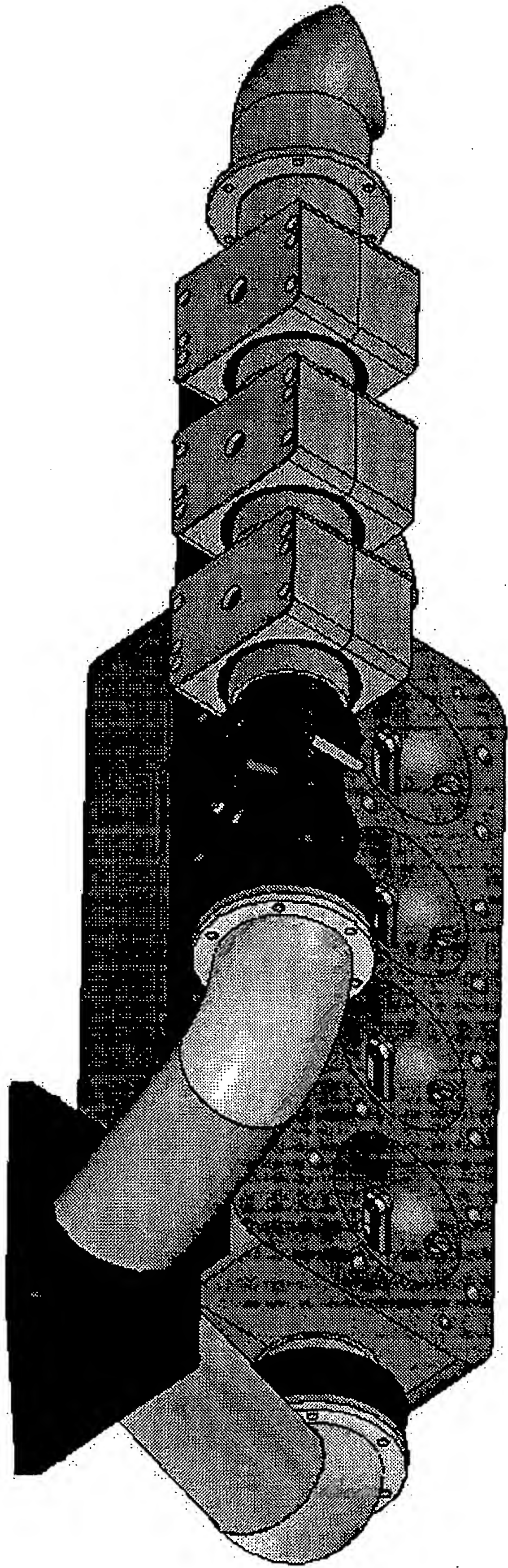


FIG. 2



APPLICATION EXAMPLE

SMALL BLOCK CHEVY ODD BANK
COMBUSTION CHAMBERS 1,3,5,7

FIRING ORDER 1,8,4,3,6,5,7,2

* NOTE: SHAFT ROTATES 45 DEGREES
PER FIRING SEQUENCE

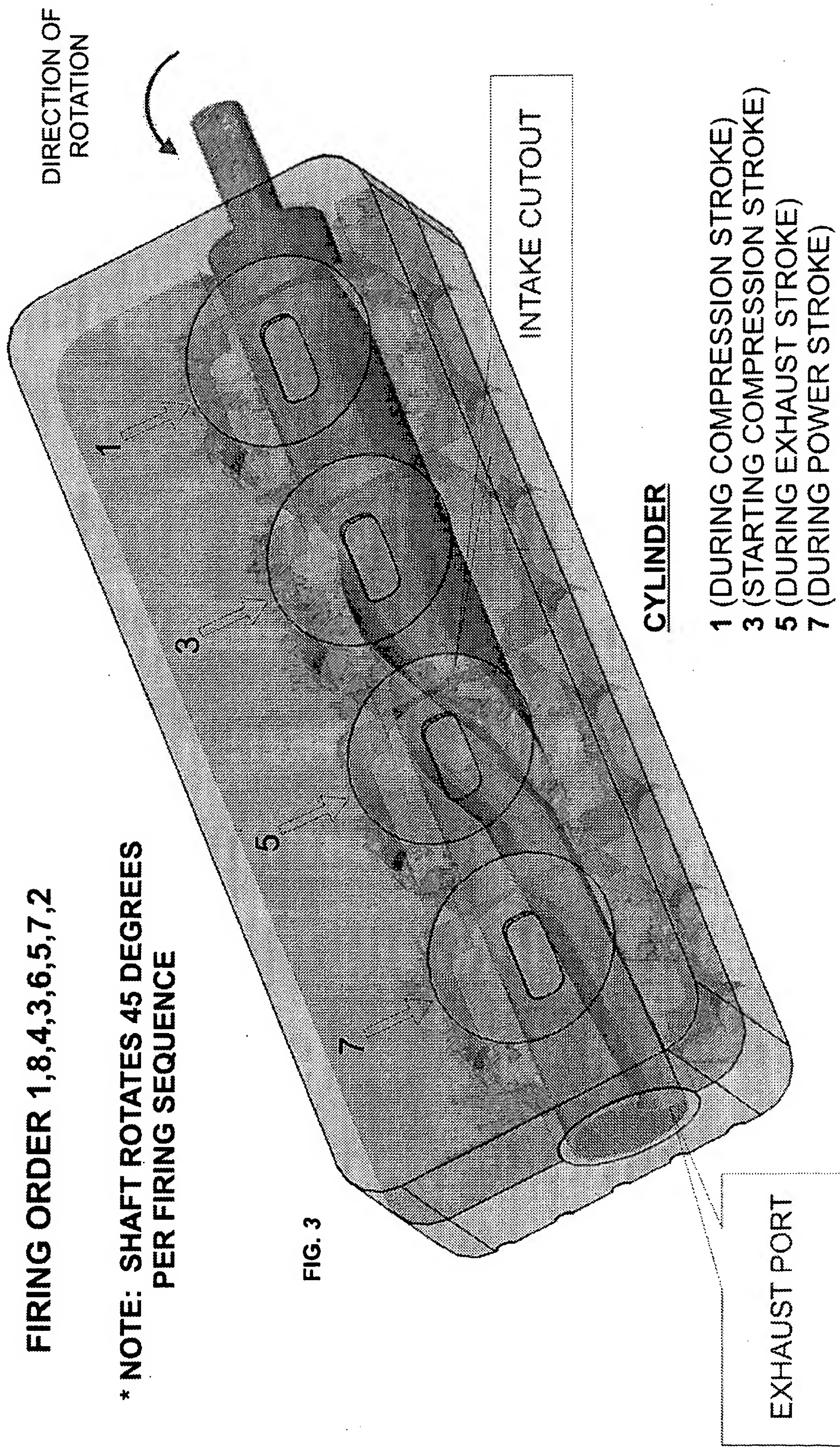


FIG. 4

- 12 MAIN SHAFT
- 13 INTAKE/EXHAUST RUNNERS
- 14 AIR/FUEL INLET
- 15 EXHAUST OUTLET
- 16 SPARK PLUG
- 17 SPARK PLUG SLEEVE
- 18 PULLEY MOUNTING HUB
- 19 CLEARANCE CHANNEL
- 20 BEARING BLOCK INSERTS
- 21 BASE HEAD HALF
- 22 BEARING
- 23 TOP BEARING BLOCK INSERT
- 24 COMPRESSION SEALS
- 25 TOP HEAD HALF
- 26 SHAFT SLEEVE
- 27 INTAKE/EXHAUST PORT
- 28 IGNITION PORTS

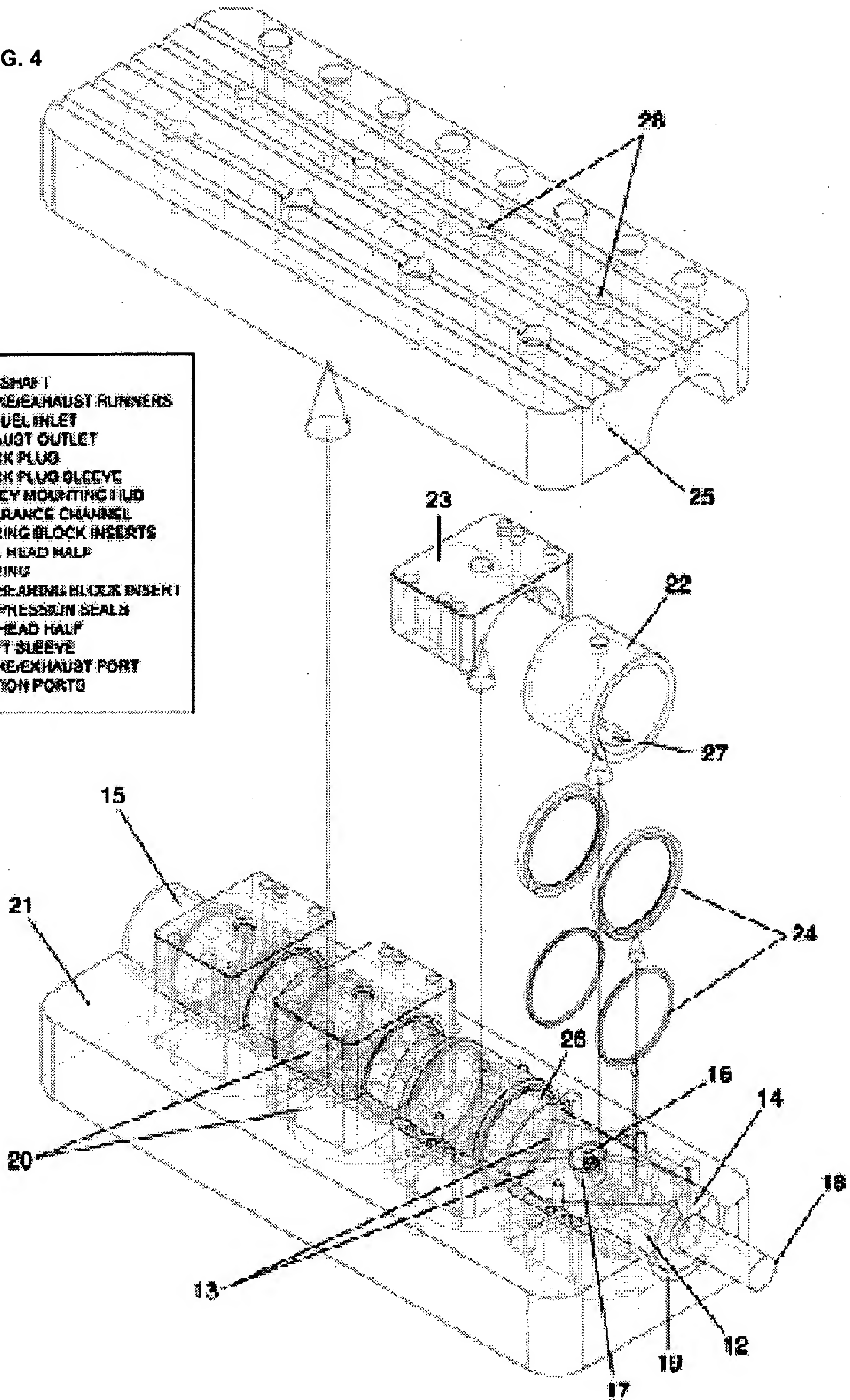


FIG. 5

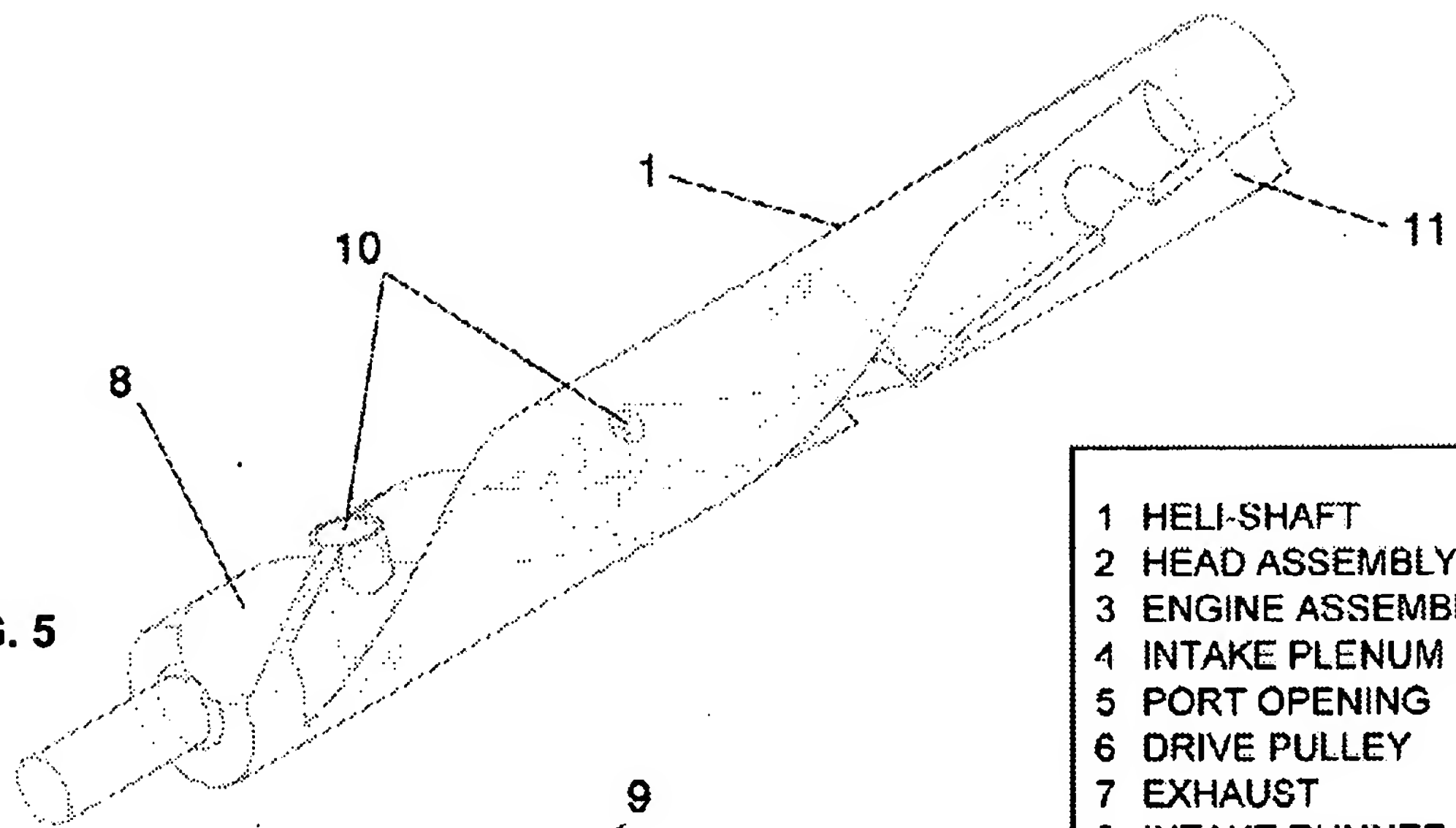


FIG. 6

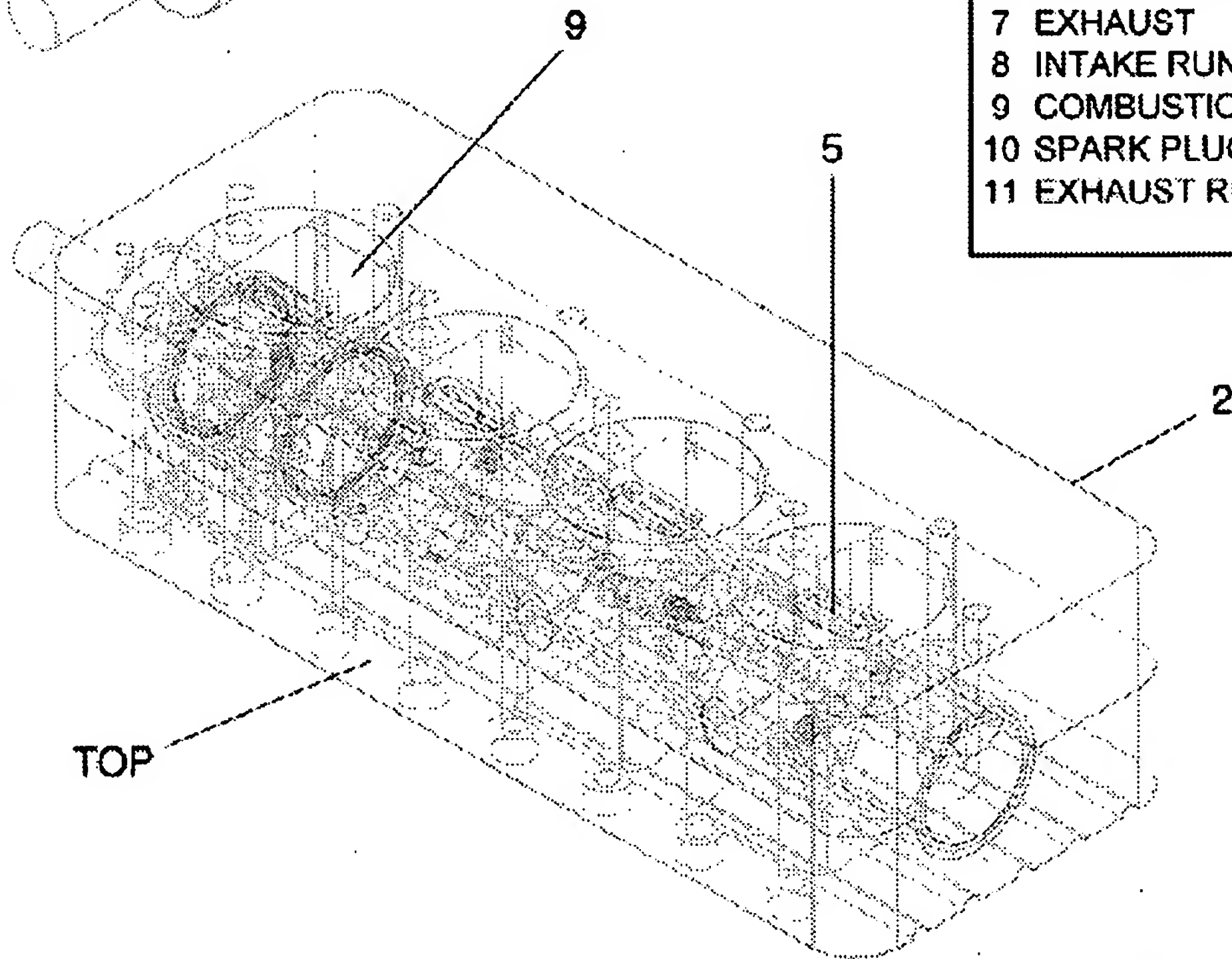
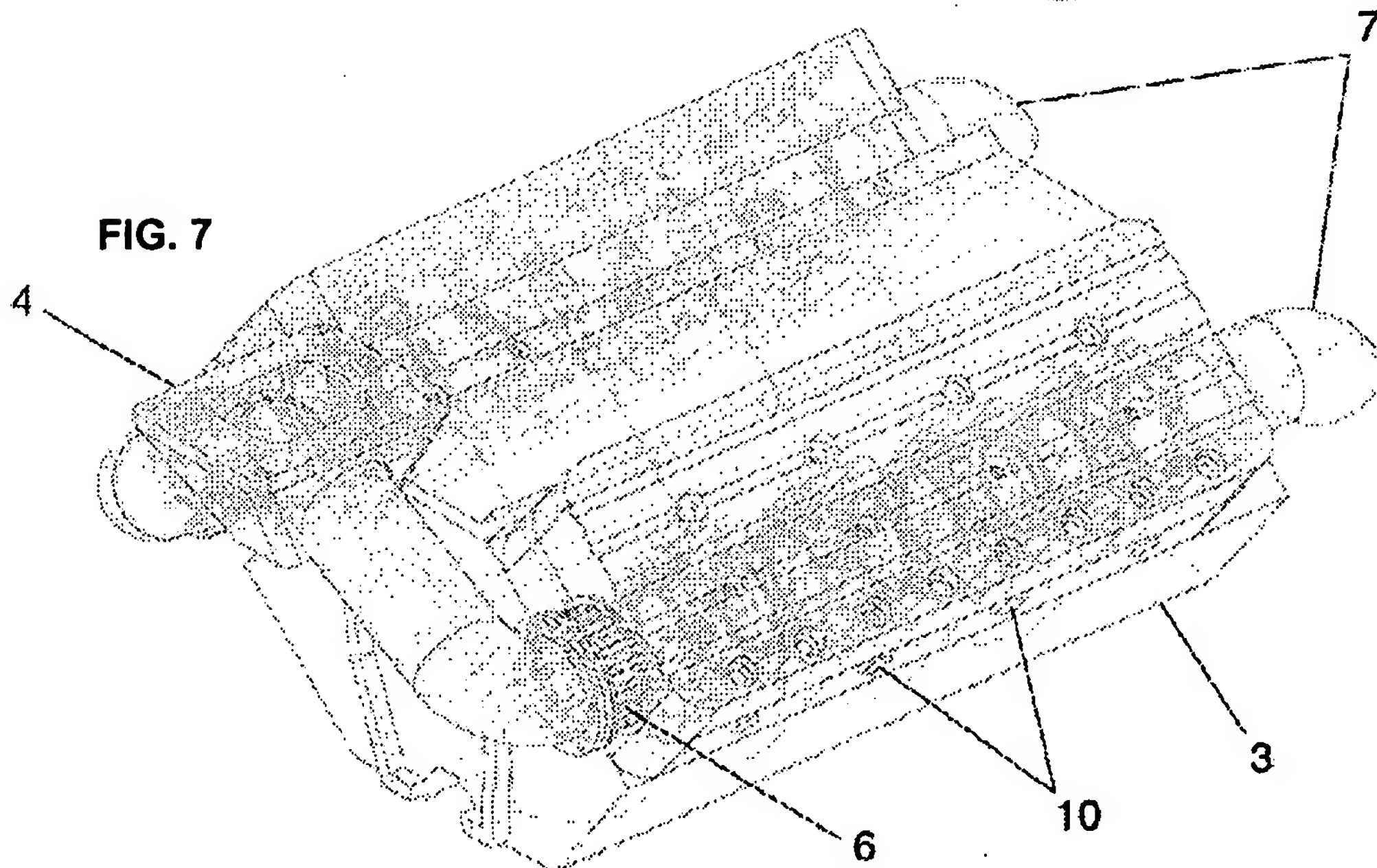


FIG. 7



- 1 HELI-SHAFT
- 2 HEAD ASSEMBLY
- 3 ENGINE ASSEMBLY
- 4 INTAKE PLENUM
- 5 PORT OPENING
- 6 DRIVE PULLEY
- 7 EXHAUST
- 8 INTAKE RUNNER
- 9 COMBUSTION CHAMBER
- 10 SPARK PLUG HOLES
- 11 EXHAUST RUNNER